

Sahil Bali

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Professional Synopsis

QA Automation Engineer with over 3 years of experience in developing, implementing, and maintaining robust automation frameworks. Experienced in leading automation initiatives, streamlining testing processes. Proficient in Agile methodologies and manual testing, with a strong ability to collaborate with development teams and stakeholders to meet project goals.

Professional Experience

Software Engineer

QASource Pvt Ltd

Feb 2023 – Present

- Parallelized the Python Selenium framework, significantly reducing test suite execution time by 50% and optimizing resource utilization.
- Implemented Docker automation with Selenium Hub to enhance test execution efficiency, enabling scalable and containerized test environments, seamlessly integrating with the existing automation framework.
- Automated regression, sanity, and smoke testing suites, reducing execution time by 30% with optimized scripting and parallel execution.
- Delivered comprehensive project management reports, including sprint-based automation suite results (failed scripts and identified bugs), ensuring actionable insights for stakeholders.
- Conducted peer code reviews using GitHub, maintaining high-quality standards.
- Collaborated with Business Analysts and developers to dynamically adapt test strategies and ensure alignment with project requirements.
- Delivered "Knowledge Training" sessions to onboard new team members and enhance understanding of automation frameworks.

Associate Software Engineer Level 2

QASource Pvt Ltd

Aug 2022 – Jan 2023

- Developed and maintained cross-browser automation frameworks using Selenium with Python, enabling seamless test execution across Chrome, Firefox, Edge.

- Configured and managed CI/CD pipelines in Jenkins, creating and updating jobs for automation suites, and sharing detailed build reports.
- Defined automation benchmarks, documented processes, and conducted framework training sessions for team members, enhancing team productivity.
- Participated in weekly client calls and sprint demos to discuss automation progress and resolve technical queries efficiently.
- Integrated Postman for API testing, streamlining backend validation and reducing manual testing efforts.
- Created detailed Effort Estimate plans for feature-wise modules and documented project processes, ensuring accurate resource planning and efficient delivery.

Associate Software Engineer Level 1

QASource Pvt Ltd

Jan 2022 – Jul 2022

- Automated over 180 test cases for web applications using Robot Framework with Python libraries, achieving a 90% reduction in manual testing efforts.
- Performed functional, regression, and exploratory testing, identifying and reporting over 50 critical bugs across various modules.

Key Projects

Project: Healthcare Application

- Developed a Pytest Selenium framework from scratch, enabling automation for regression, sanity, and smoke testing.
- Maintained and enhanced the pre-existing Robot Framework, streamlining test suite execution and improving modularity

Key Skills

- Programming & Automation Tools: Selenium + Python (Pytest), Robot Framework, Java
 - Testing Expertise: Automation Testing, Manual Testing, Testing Techniques, QA Processes & Reports
 - Framework Development: Framework Design & Maintenance, Efficiently Managing Test Suites
 - Project Management: Effort Estimation, Test Cases/Plans/Scripts, Reporting
 - Tools & Platforms: Jenkins, GitHub, JIRA, Zephyr Squad, Postman
 - Soft Skills: Communication, Team Leadership, Client Interaction, Agile Methodologies
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Education

Bachelor of Technology in Mechanical Engineering

Rayat Bahra Institute of Engineering and Nano Technology, Hoshiarpur [2016-2020]

Hobbies

- **Trekking:** Exploring new trails and connecting with nature through adventurous hikes.
- **Bike Riding:** Enjoying long rides, discovering scenic routes, and embracing the freedom of the open road.
- **Cricket:** Passionate about the sport, engaging in both casual and competitive play.
- **Esports:** Enthusiast of PC gaming, participating in online gaming communities and competitions.